



DEPARTMENT OF REGULATORY AND ECONOMIC RESOURCES (RER)
BOARD AND CODE ADMINISTRATION DIVISION

MIAMI-DADE COUNTY
PRODUCT CONTROL SECTION
11805 SW 26 Street, Room 208
Miami, Florida 33175-2474
T (786) 315-2590 F (786) 315-2599

www.miamidade.gov/economy

NOTICE OF ACCEPTANCE (NOA)

Varco Pruden Buildings, a Division of BlueScope Buildings NA, Inc.
3200 Players Club Circle
Memphis, TN 38125

SCOPE:

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed and accepted by Miami-Dade County RER- Product Control Section to be used in Miami Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Section (In Miami Dade County) and/or the AHJ (in areas other than Miami Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. RER reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Section that this product or material fails to meet the requirements of the applicable building code.

This product is approved as described herein, and has been designed to comply with the High Velocity Hurricane Zone of the Florida Building Code.

DESCRIPTION: Vee Rib Screwed Down Ribbed Wall Panel

APPROVAL DOCUMENT: Drawing No. VRWall1, titled " Vee-Rib Wall Panel ", sheets 1 and 2 of 2, prepared by Varco-Pruden Buildings, Inc. dated June 02, 2014, last revision #1 dated June 02, 2014, signed and sealed by Larry L. Boozer, P.E., on July 25, 2014, bearing the Miami-Dade County Product Control Revision stamp with the Notice of Acceptance number and the expiration date by the Miami-Dade County Product Control Section.

MISSILE IMPACT RATING: Large and Small Missile Impact Resistant

LABELING: Each panel shall bear a permanent label with the manufacturer's name or logo, Evansville, WI and the following statement: "Miami-Dade County Product Control Approved", unless otherwise noted herein.

RENEWAL of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

TERMINATION of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

ADVERTISEMENT: The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

INSPECTION: A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This NOA revises & renews NOA # 08-0514.04 and consists of this page 1, evidence submitted pages E-1, E-2, E-3 & E-4 as well as approval document mentioned above.

The submitted documentation was reviewed by Helmy A. Makar, P.E., M.S.



Helmy A. Makar
08/07/2014

NOA No. 14-0605.10
Expiration Date: 06/10/2019
Approval Date: 08/07/2014
Page 1

Varco Pruden Buildings, a Division of BlueScope Buildings NA, Inc.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

1. EVIDENCE SUBMITTED UNDER PREVIOUS APPROVAL #95-0629.08

A. TESTS

1. Test report on: 1) Large Missile Impact Test; 2) Static Air Pressure: Test pressure 75 psf and Design pressure 50 psf; 3) Cyclic Wind Pressure: Test Pressure 25/30/65 psf and Design Pressure 50 psf, prepared by Architectural Testing Inc., Test Report No. ATI-15547, dated 05/19/95, signed and sealed by Allen N. Reeves, P.E.
2. Test report on: 1000 hours in salt spray per ASTM B117, prepared by Akzo Nobel Coatings, Inc. dated 01/15/95, signed and sealed by David A. Cocuzzi.

2. EVIDENCE SUBMITTED UNDER PREVIOUS APPROVAL #99-0324.14

A. DRAWINGS:

1. Drawing No. 990324.14, titled "VEE-RIB Wall Mock-Up", sheet 1 of 2, and "Erection Details", sheet 2 of 2, prepared by Kevin R. Adams, P.E., dated May 26, 1995, signed and sealed by Kevin R. Adams, P.E., on February 16, 1999, sheets 1 and 2 of 2.

B. CALCULATIONS:

1. Calculations titled "Allowable Panel Span (VR Wall)", dated February 15, 1999, pages 1 through 3 of 3, prepared by Kevin R. Adams, P.E., signed and sealed by Kevin R. Adams, P.E.

C. MATERIAL CERTIFICATIONS:

1. Tensile Test Report No. 01-33389.06, prepared by Architectural Testing Inc., dated March 15, 1999, signed and sealed by Allen N. Reeves, P.E.

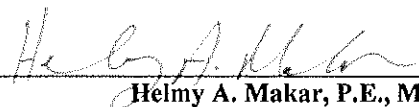
3. EVIDENCE SUBMITTED UNDER PREVIOUS APPROVAL #01-1128.05

A. DRAWINGS:

1. Drawing No. 2001-008, titled "VEE-RIB Wall Mock-Up", sheets 1 and 2 of 2, prepared by Joe N. Nunnery, P.E., dated October 25, 2001, signed and sealed by Joe N. Nunnery, P.E., on January 3, 2002.

B. TESTS

1. Test report on: 1) Large Missile Impact Test; 2) Static Air Pressure Test; 3) Cyclic Wind Pressure Test, prepared by Architectural Testing Inc., Test Report No. ATI-01-40373.01, dated 11/19/2001, signed and sealed by Allen N. Reeves, P.E.
2. Addendum to Test Report No. ATI-01-40373.01, dated 12/14/2001, signed and sealed by Allen N. Reeves, P.E.



Helmy A. Makar, P.E., M.S.
Product Control Unit Supervisor
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C. CALCULATIONS:

1. *Calculations titled "Analysis of results of static air pressure test per protocol PA-202", dated 11/20/2001, 2 pages, prepared by Joe N. Nunnery, P.E., signed and sealed by Joe N. Nunnery, P.E.*
2. *Calculations titled "Analysis of results of static air pressure test per protocol PA-202", not dated, 1 page, prepared by Joe N. Nunnery, P.E., signed and sealed by Joe N. Nunnery, P.E.*

D. MATERIAL CERTIFICATIONS:

1. *Tensile Test Report No. 01-40373, prepared by Architectural Testing Inc., dated 11/19/2001, signed and sealed by Allen N. Reeves, P.E.*

E. STATEMENTS

1. *Statement of Compliance from Joe Nunney, P.E. dated January 2, 2002*
2. *Statement of Financial Interest from Joe Nunney, P.E. dated January 2, 2002*

4. EVIDENCE SUBMITTED UNDER PREVIOUS APPROVAL #07-0515.03

A. DRAWINGS

1. *Drawing No. 1 and 2 titled "Vee-Rib Wall Mock-Up", prepared by Varco-Pruden Buildings, Inc. dated August 04, 2007, signed and sealed by Clifton E. Querry, P.E., on 08/06/07.*

B. TESTS

1. *None.*

C. CALCULATIONS

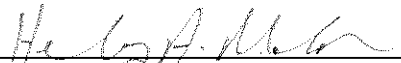
1. *Calculations titled "Vee Rib Panel Design Validation", 7 pages, prepared by ", prepared by Varco-Pruden Buildings, Inc. dated August 04, 2007, signed and sealed by Clifton E. Querry, P.E., on 08/31/07.*

D. QUALITY ASSURANCE

1. *Miami-Dade County Building Code Compliance Office.*

E. MATERIAL CERTIFICATIONS

1. *None.*



Helmy A. Makar, P.E., M.S.
Product Control Unit Supervisor
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NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

5. EVIDENCE SUBMITTED UNDER PREVIOUS APPROVAL # 08-0514.04

A. DRAWINGS

1. *None.*

B. TESTS

1. *None.*

C. CALCULATIONS

1. *Calculations titled "Vee Rib Panel Design Validation", 7 pages, prepared by Varco-Pruden Buildings, Inc. dated May 07, 2008, signed and sealed by Clifton E. Querry, P.E., on 05/07/2008.*

D. QUALITY ASSURANCE

1. *Miami-Dade County Building Code Compliance Office.*

E. MATERIAL CERTIFICATIONS

1. *None.*

6. EVIDENCE SUBMITTED UNDER PREVIOUS APPROVAL # 13-0311.06

A. DRAWINGS

1. *Drawing No. 1 titled " Vee-Rib Wall Mock-Up ", sheets 1 and 2 of 2, prepared by Varco-Pruden Buildings, Inc. dated August 04, 2006, last revision #1 dated May 22, 2013, signed and sealed by Larry L. Boozer, P.E., on May 22, 2013.*

B. TESTS

1. *None.*

C. CALCULATIONS

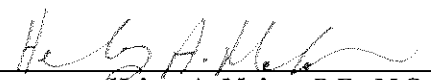
1. *None.*

D. QUALITY ASSURANCE

1. *Miami-Dade County Department of Regulatory and Economic Resources.*

E. MATERIAL CERTIFICATIONS

1. *None.*



Helmy A. Makar, P.E., M.S.
Product Control Unit Supervisor
NOA No. 14-0605.10
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Varco Pruden Buildings, a Division of BlueScope Buildings NA, Inc.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

7. NEW EVIDENCE SUBMITTED

A. DRAWINGS

1. *Drawing No. VRWall1, titled " Vee-Rib Wall Panel ", sheets 1 and 2 of 2, prepared by Varco-Pruden Buildings, Inc. dated June 02, 2014, last revision #1 dated June 02, 2014, signed and sealed by Larry L. Boozer, P.E., on July 25, 2014.*

B. TESTS

1. *Test report on: 1) Large Missile Impact Test; 2) Static Air Pressure Test; 3) Cyclic Wind Pressure Test, prepared by Farabaugh Engineering and Testing Inc., Test Report No. T145-14, dated 03/10/2014, signed and sealed by Daniel G. Farabaugh, P.E.*

C. CALCULATIONS

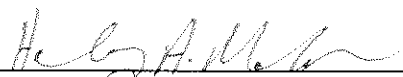
1. *Calculations titled "Vee Rib Panel Design Validation", 18 pages, prepared by Varco-Pruden Buildings, Inc. dated July 25, 2014, signed and sealed by Larry L. Boozer, P.E., on July 25, 2014.*

D. QUALITY ASSURANCE

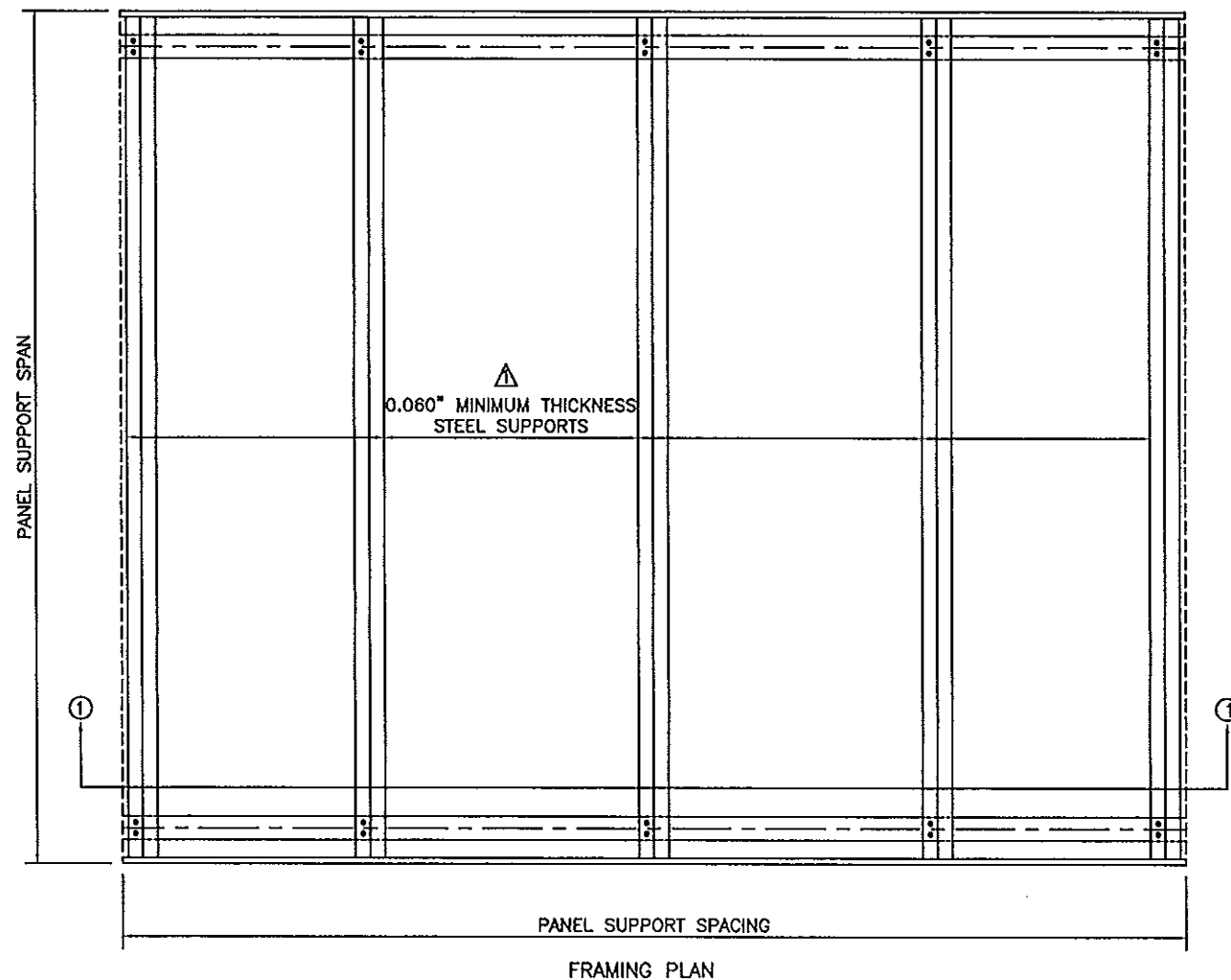
1. *Miami-Dade County Department of Regulatory and Economic Resources.*

E. MATERIAL CERTIFICATIONS

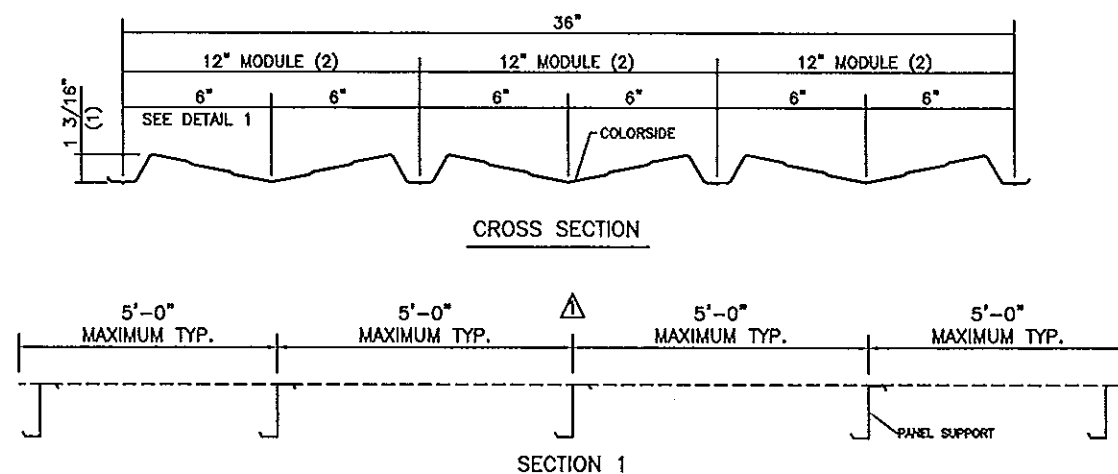
1. *None.*



Helmy A. Makar, P.E., M.S.
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NOA No. 14-0605.10
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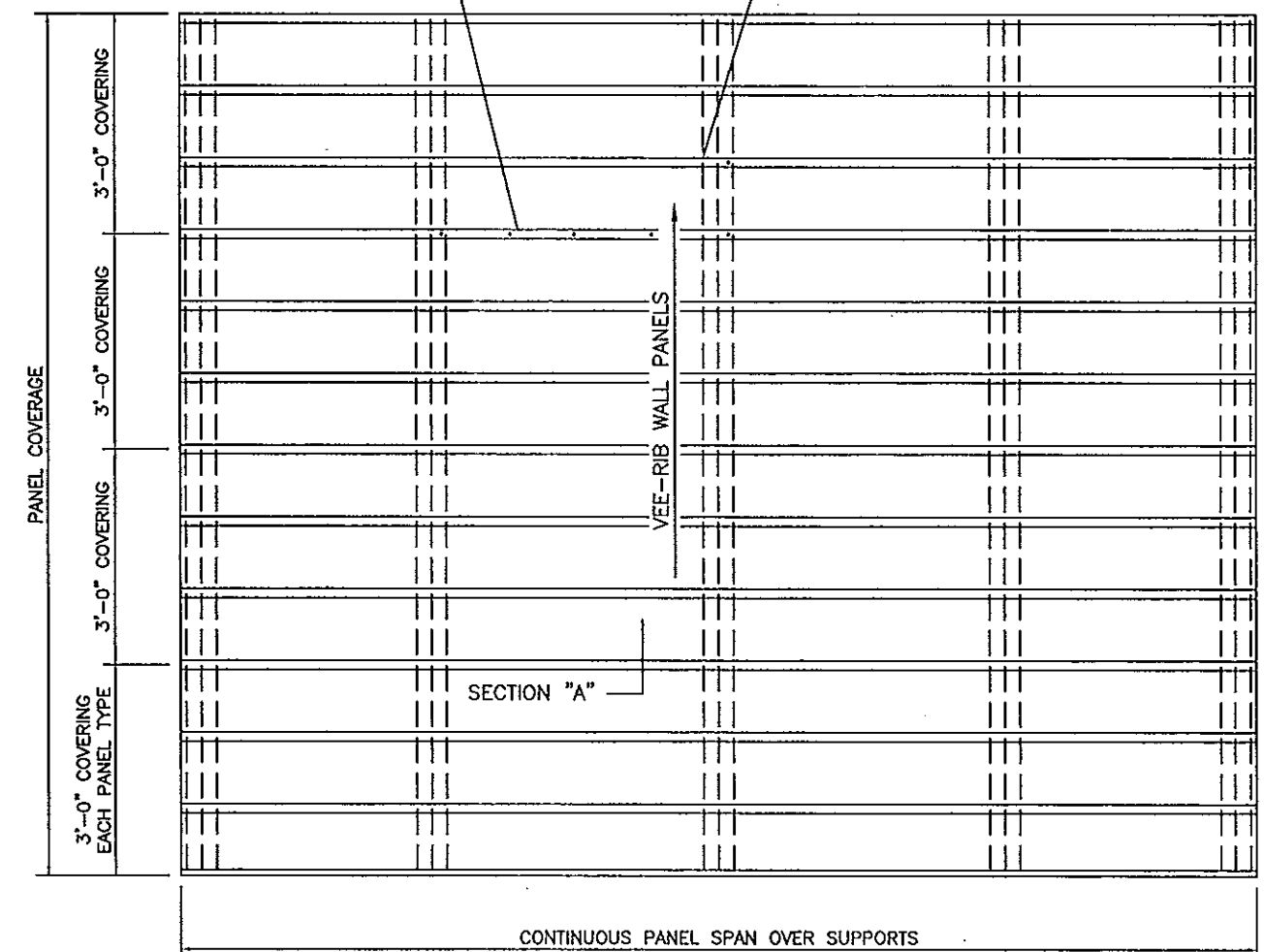
FRAMING PLAN



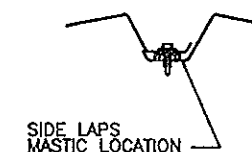
SECTION 1

PANEL SIDELAP FASTENERS:
1/4-14 X 7/8" WALL STITCH FSNR
W/ 1/8" WASHER SPACED @ 15" O.C. MAX
WITH MINIMUM OF (1) BETWEEN SUPPORTS

PANEL SUPPORT FASTENERS:
12-14 X 1 1/4" WALL STRUCTURAL W/ 1/8"
OD WASHER & EPDM RUBBER WASHER SELF DRILLING SCREWS.
ONE PER LOW FLUTE ALONG EACH SUPPORT TYPICAL

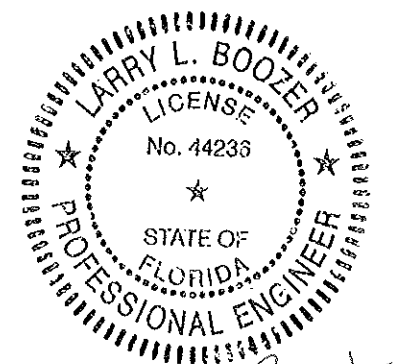


"VEE-RIB" WALL SHEETING PLAN



SECTION A

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 14-0605.10
Expiration Date 06/10/2019
By *[Signature]*
Miami Data Product Control



LARRY L. BOOZER PE
No. 44236
VP, BUILDINGS
7031 ALBERT PICK ROAD
SUITE 200
GREENSBORO, NC 27409

NOTE: THIS PANEL SHALL BE USED FOR WALL CONSTRUCTION ONLY. FRAMING AND DETAILS SHOWN REPRESENT ACTUAL CONSTRUCTION DETAILS IN FIELD AND FOR TEST SPECIMENS USED IN TAS 201-94, TAS 202-94, TAS 203-94 & ASTM E330-02. SIZES OF TEST APPARATUS VARY, REFER TO SPECIFIC TEST FOR SAMPLE SIZE. EACH ACTUAL WALL PROJECT SHALL BE CONSTRUCTED USING THE SAME DETAILS SHOWN ON THESE DRAWINGS, INCLUDING: A) DETAILS OF ALL VEE RIB SECTIONS WITH DIMENSIONS AND THICKNESS; B) ASSEMBLY DETAILS INCLUDING ALL CONNECTIONS; C) FASTENER DIAGRAM WITH THE SIZE AND LOCATION; D) PANEL MATERIAL CHARACTERISTICS.

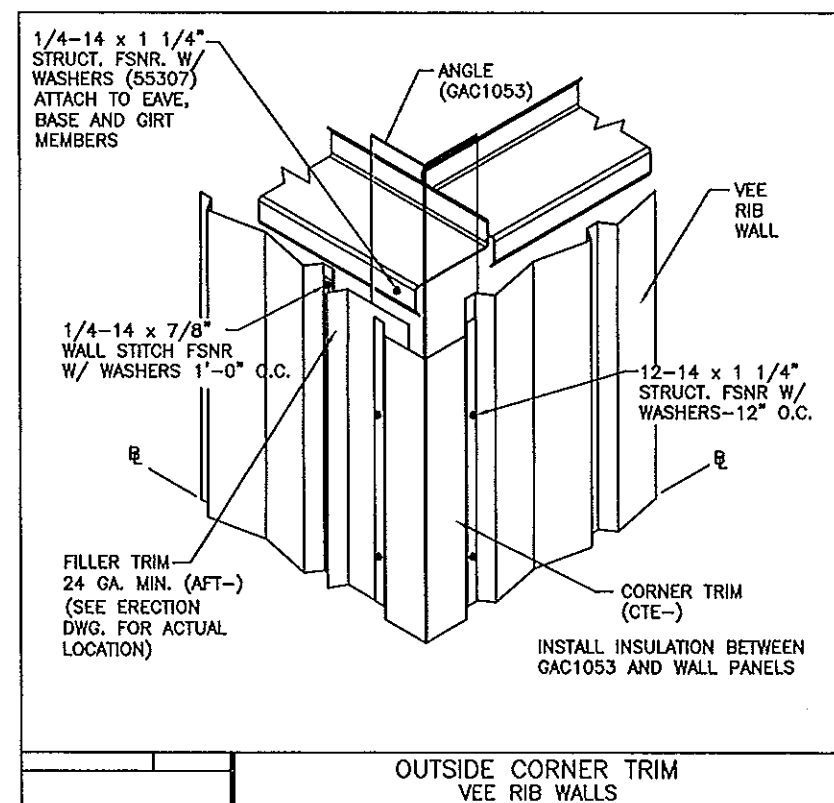
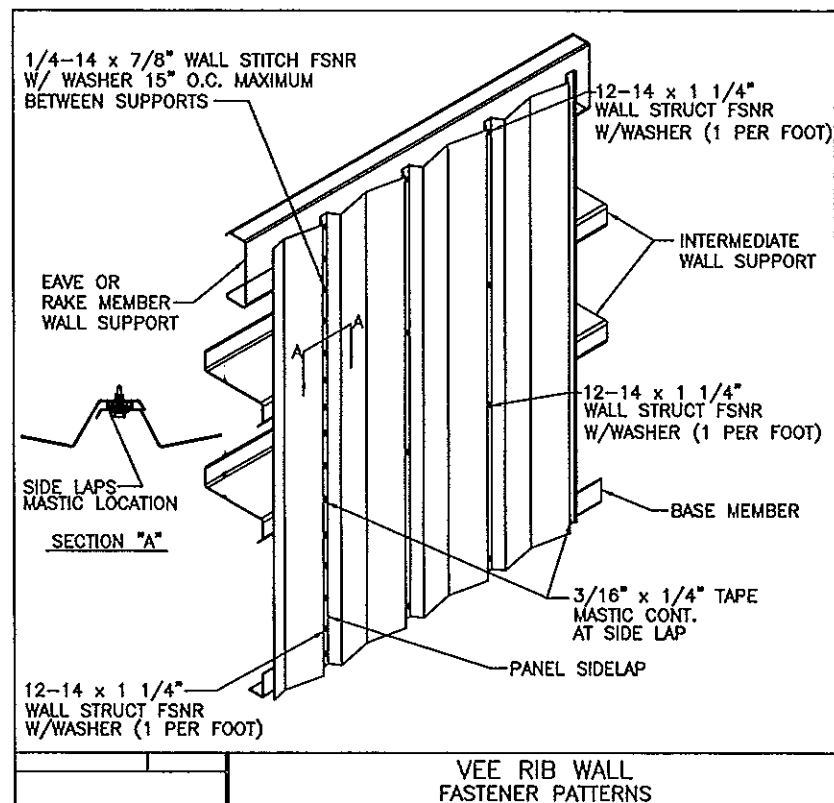
Varco Pruden Buildings, a division of
BlueScope Buildings North America, Inc.
3200 Players Club Circle Memphis TN 38125

"VEE - RIB" WALL PANEL

REV	DATE	BY	DESCRIPTION
Δ	06/02/14	LB	SECTIONS AND NOTES

BUILDER
CUSTOMER
LOCATION
PROJECT
BUILDERS FOR

VP BUILDINGS VARCO-PRUDEN A BlueScope Steel Company VPO VERSION: 7.1c	DRAWING NO. VRWALL1 DATE 06/02/2014 DRAWN/CHECK /LB PAGE 1 OF 2
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General Note:

1. The VEE RIB structural metal siding panels consist of 24 gage 0.023" minimum thickness cold formed steel sheet conforming to the physical requirements of ASTM A653 Grade 50 (50,000 psi minimum yield stress) coating designation G-90 pointed thickness of 0.023 inches or A792 grade 50, AZ55 or AZ50 coating.
2. The VEE RIB structural metal siding may be used as structural siding or curtain wall of buildings.
3. The VEE RIB structural metal panels shall be on steel supports not less than 0.06 inches in thickness with #12-14 threads/in x 1 1/4" long self-drilling screws with 3/8" integral washer and EPDM rubber washer. A fastener shall be located at each low flute. The sidelap joints shall be fastened with 1/4" diameter 14 threads per inch x 7/8" long stitch screws with same integral washer. Sidelap fasteners shall be placed between supports at a spacing not to exceed 15 inches between adjacent fasteners. Panel side seams shall be sealed with 3/8" x 1/4" wide butyl based polymer take mastic.
4. The maximum wall panel span is 5'-0".
5. Using the more critical of the panels maximum allowable structural properties, bending moment, maximum allowed fastener load, or L/240 deflection, the following equations define allowable wind pressure/suction for the support spacing. Support spacing must be selected from these equations to comply with the wind pressures specified in the current 2010 Florida Building Code.

ALLOW PANEL STRENGTH AND LIMITATIONS:

Minimum Panel Thickness:	0.023" (Base Metal)
Minimum Panel Yield Strength:	53.0 ksi
ASD Panel Bending at Supports:	$M_a = \pm 1.238 \text{ k-in.}$ per ft. width of panel
ASD Panel Bending between Supports:	$M_a = \pm 0.693 \text{ k-in.}$ per ft. width of panel
ASD Panel Shear:	$V_a = \pm 0.157 \text{ k}$ per ft. width of panel
ASD Interior Reaction:	$R_{a \text{ inter.}} = \pm 0.295 \text{ k}$ per ft. width of panel
ASD Exterior Reaction:	$R_{a \text{ ext.}} = \pm 0.101 \text{ k}$ per ft. width of panel
Deflection-Suction Loads	$(EI)_{\text{suction}} = 1364 \text{ k-in.}^2$ per ft. width of panel
Deflection-Pressure Loads:	$(EI)_{\text{pressure}} = 784 \text{ k-in.}^2$ per ft. width of panel
Min. Support Thickness:	0.060 in.
Maximum support spacing:	5.0 ft.

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 14-0605.10
Expiration Date 06/12/2019
By *[Signature]*
Miami Data Product Control

LARRY L. BOOZER
LICENSE
No. 44233
STATE OF
FLORIDA
PROFESSIONAL ENGINEER
[Signature] 7/25/14
LARRY L. BOOZER PE
No. 44236
VP BUILDINGS
7031 ALBERT PICK ROAD
SUITE 200
GREENSBORO, NC 27409

NOTE: THIS PANEL SHALL BE USED FOR WALL CONSTRUCTION ONLY. FRAMING AND DETAILS SHOWN REPRESENT ACTUAL CONSTRUCTION DETAILS IN FIELD AND FOR TEST SPECIMENS USED IN TAS 201-94, TAS 202-94, TAS 203-94 & ASTM E330-02. SIZES OF TEST APPARATUS VARY, REFER TO SPECIFIC TEST FOR SAMPLE SIZE. EACH ACTUAL WALL PROJECT SHALL BE CONSTRUCTED USING THE SAME DETAILS SHOWN ON THESE DRAWINGS, INCLUDING: A) DETAILS OF ALL VEE RIB SECTIONS WITH DIMENSIONS AND THICKNESS; B) ASSEMBLY DETAILS INCLUDING ALL CONNECTIONS; C) FASTENER DIAGRAM WITH THE SIZE AND LOCATION; D) PANEL MATERIAL CHARACTERISTICS.

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3200 Players Club Circle Memphis TN 38125

"VEE - RIB" WALL PANEL

REV	DATE	BY	DESCRIPTION	BUILDER
Δ	06/02/14	LB	SECTIONS AND NOTES	CUSTOMER
				LOCATION
				PROJECT
				BUILDERS PO#

VP BUILDINGS
VARCO-PRUDEN
A BlueScope Steel Company
VPC VERSION: 7.1c
DRAWING NO. VRWALL1
DATE: 06/02/2014
DRAWN/CHECK: /LB
PAGE: 2 OF 2